1 Suppl. File S7: Definitions extended to subsets of nodes

Given a subset S of the network nodes N ($S \in N$) and a centrality measure C, the interference of the set of nodes S with respect to node n in the network G is:

$$Int_C(S, n, G) = \frac{C(G, n)}{\sum_{j \in N} C(G, n)} - \frac{C(G \backslash S, n)}{\sum_{j \in N} C(G \backslash S, n)}$$

Max interference, global interference and mean interference are similarly defined. Besides the definitions can be easily adapted if we are interested in removing or adding one or more edges in a network.